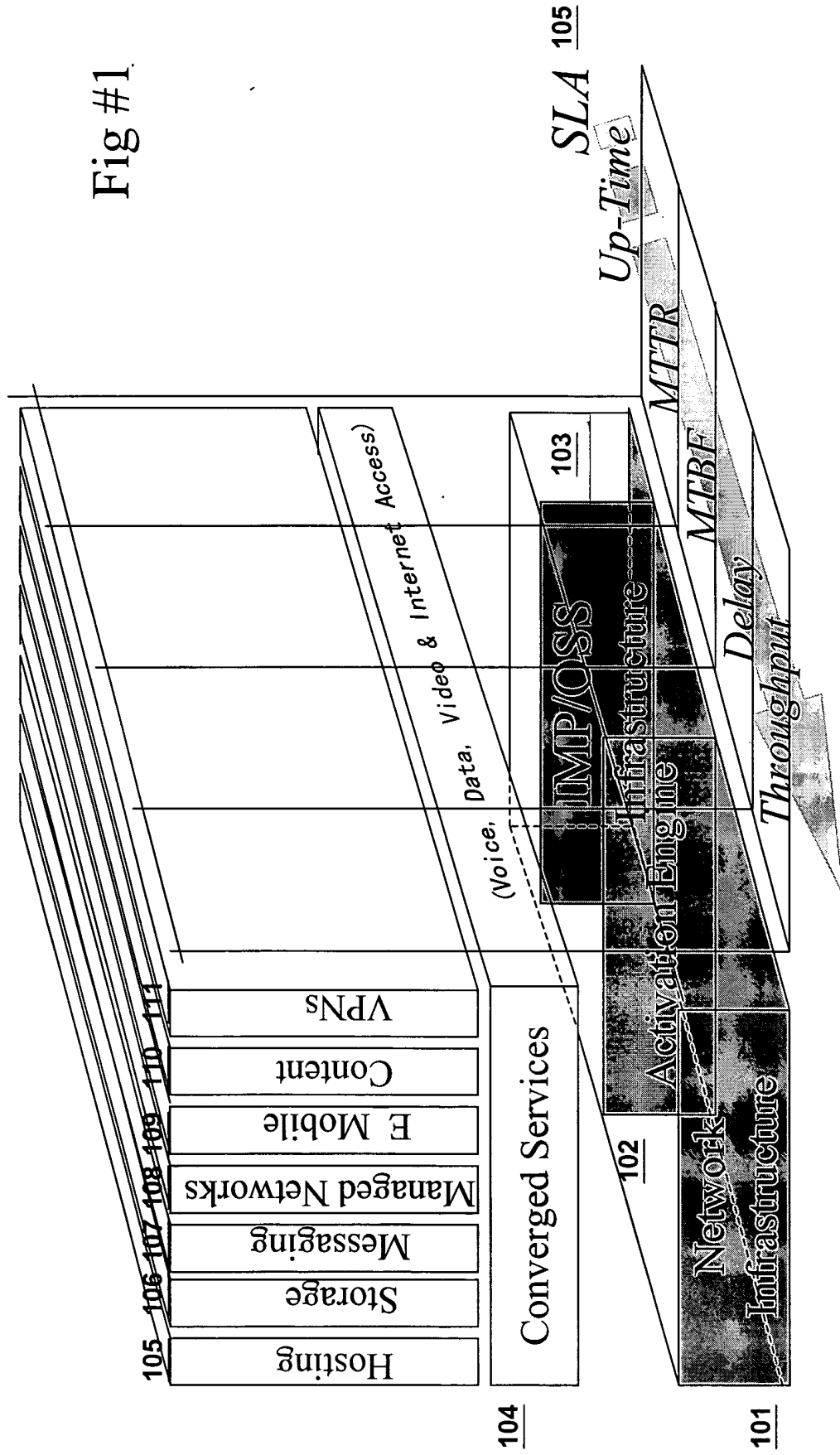


# Integrated Communications System Architecture

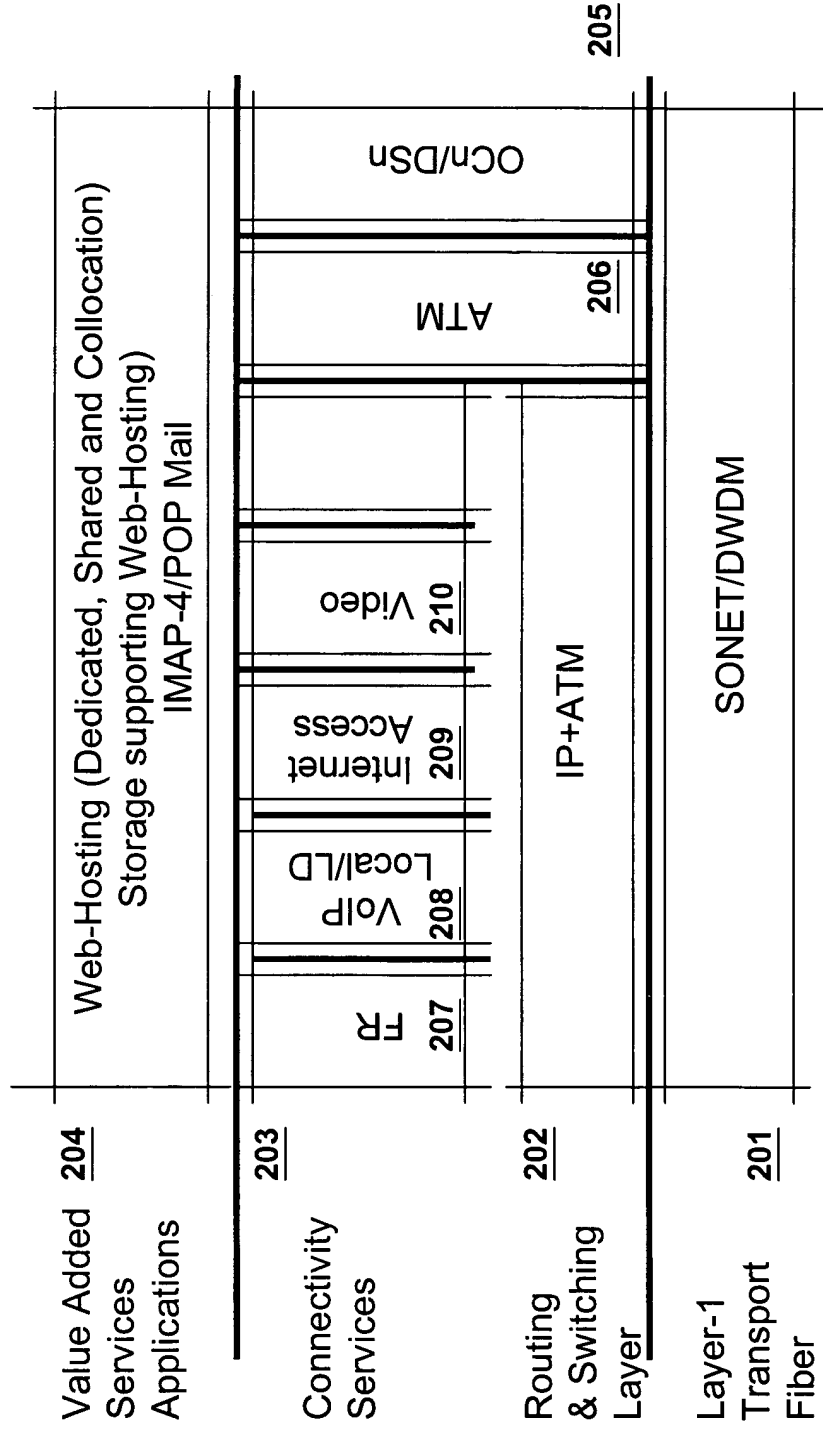
Fig #1



# FOR "THESE" Integrated Network InfrastructureArchitecture

(Current state)

Fig #2

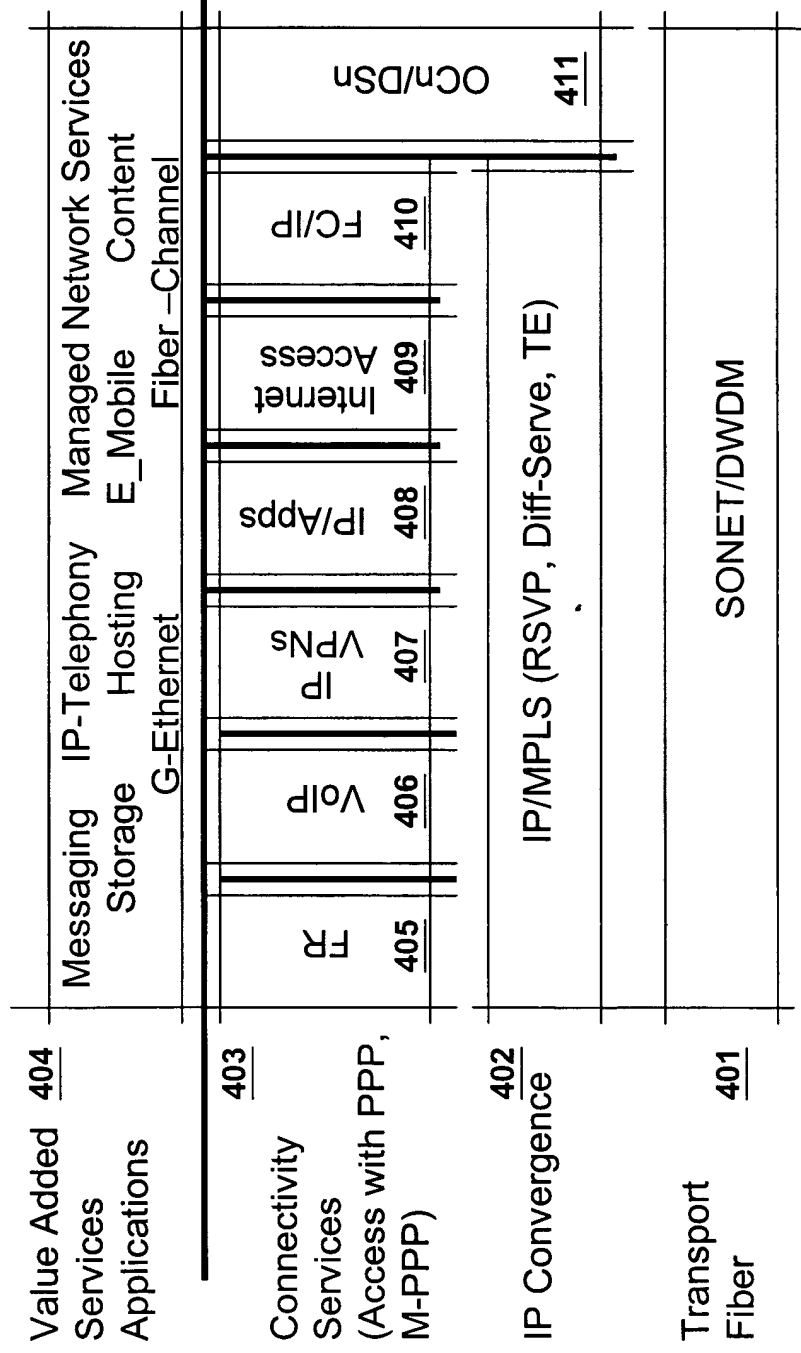




# THE "4T5T3510" Integrated Network Infrastructure Architecture

End state (target-2002)

Fig #4



# Packet-Based Converged Services Infrastructure

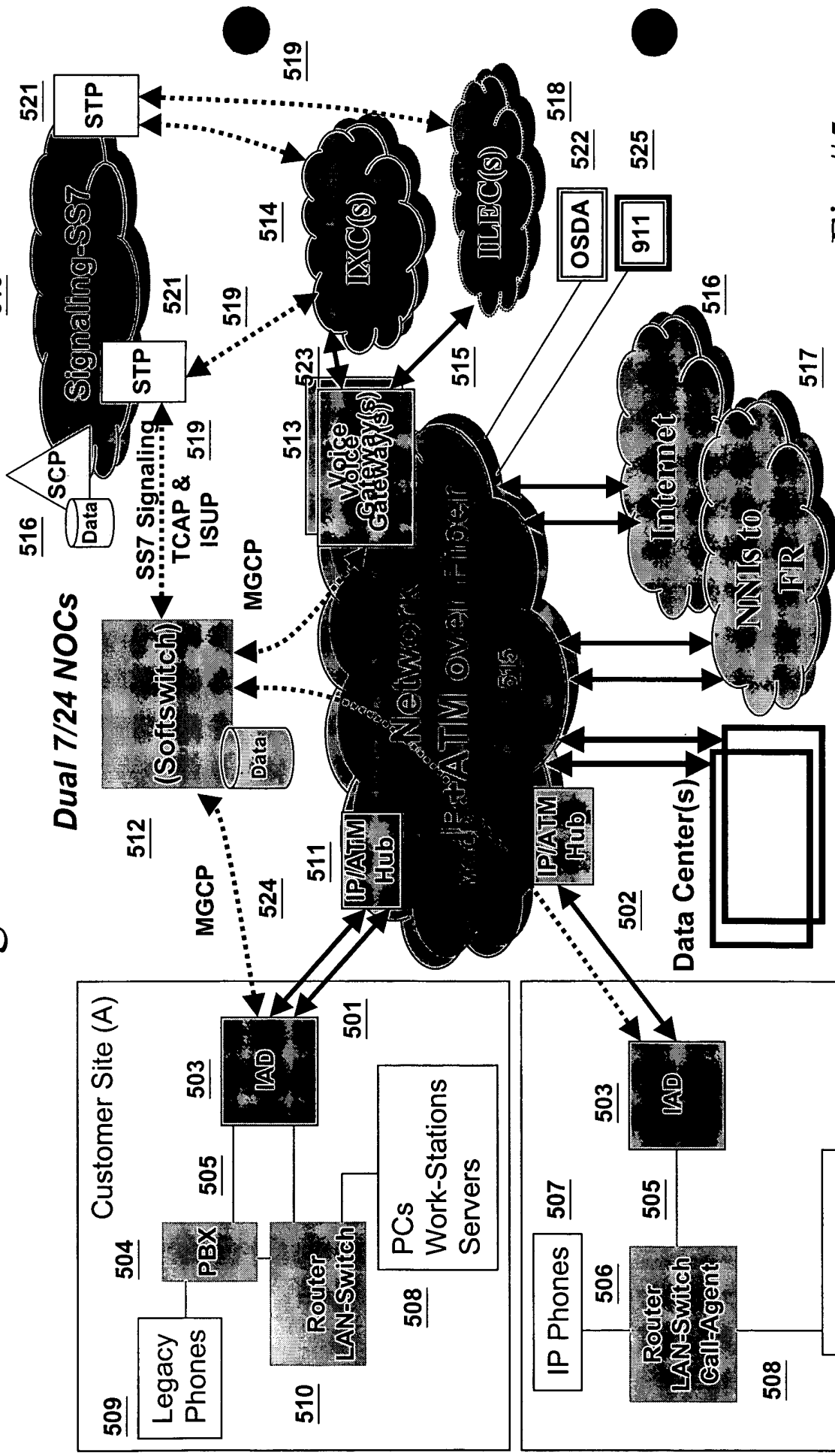


Fig #5

# Illustration of Converged Services

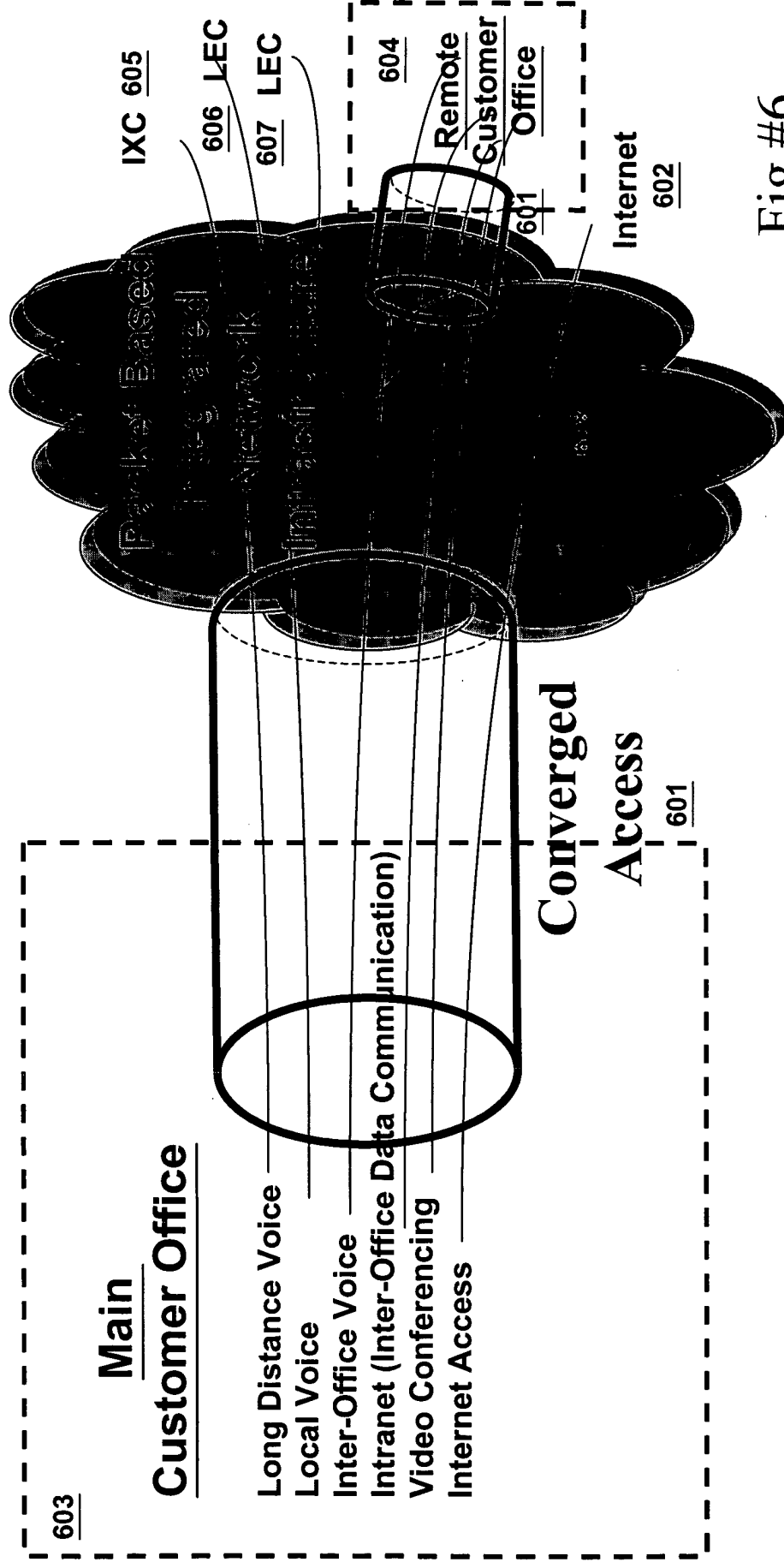


Fig #6

# Optical Network Long Haul & Metro Concept

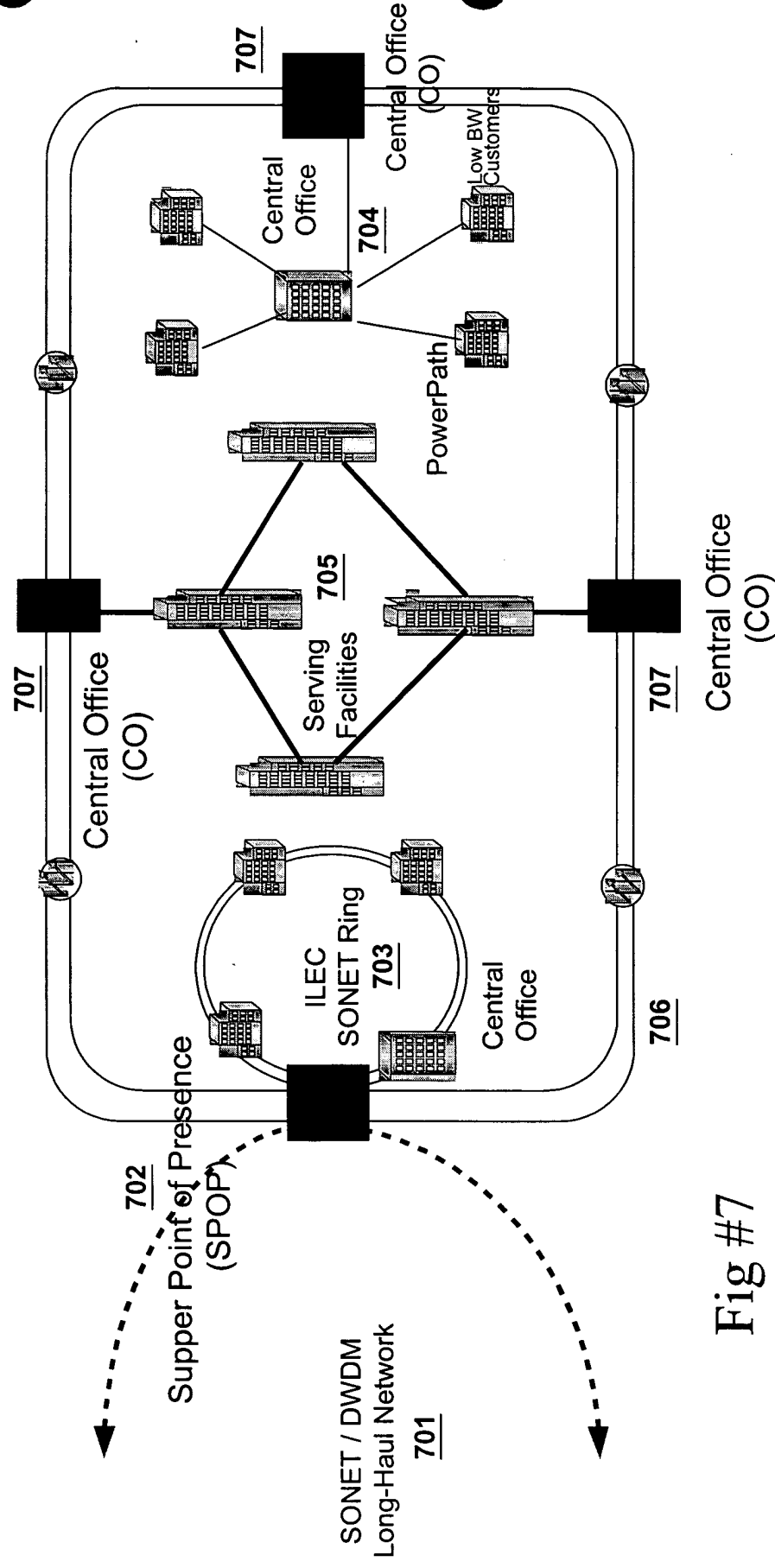


Fig #7

The diagram illustrates a multi-tenant LEC access network architecture. At the center is the **LEC POP 803**, which contains **T3 CIRCUITS**. This central hub is connected to four customer sites, labeled **801**, **802**, **804**, and **805**.

- Site 801:** Features a **METRO-RING** connected to the LEC POP via **METRO FIBER**. It also includes a **POWERPATH T1** connection to the LEC POP.
- Site 802:** Includes a **ROUTER**, **PBX**, and **IAD** connected to a **POWERPATH T1** line that links to the LEC POP.
- Site 804:** Similar to Site 802, it has a **ROUTER**, **PBX**, and **IAD** connected to a **POWERPATH T1** line to the LEC POP.
- Site 805:** Also features a **ROUTER**, **PBX**, and **IAD** connected to a **POWERPATH T1** line to the LEC POP.

Each customer site (801, 802, 804, 805) is part of an **LEC Access Multi-Tenant** environment. The central LEC POP (803) acts as the core for these connections, with **T3 CIRCUITS** providing the primary backbone link to the metro ring at Site 801.



# Activation Engine Concept

## Flow-Trough Provisioning

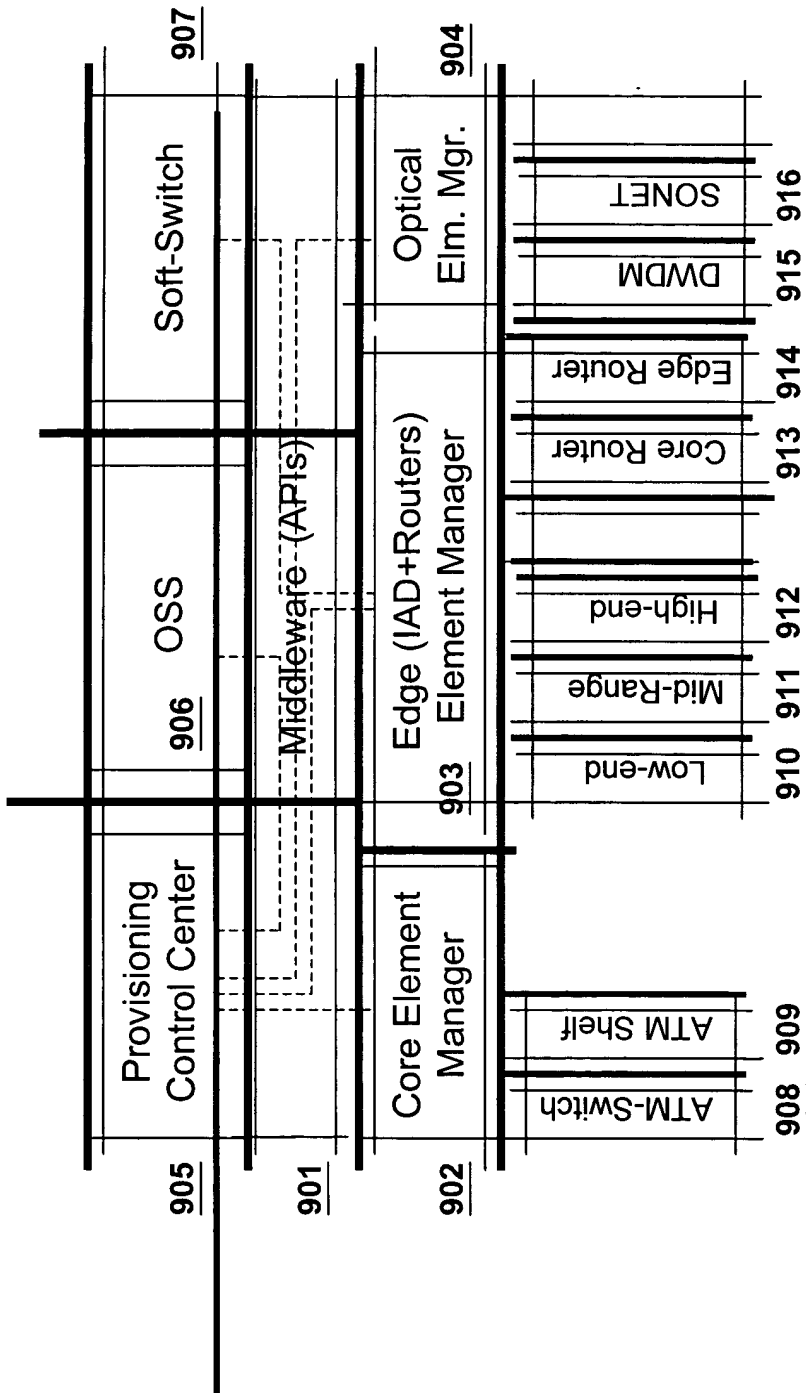


Fig #9

# Information Management Platform (IMP)

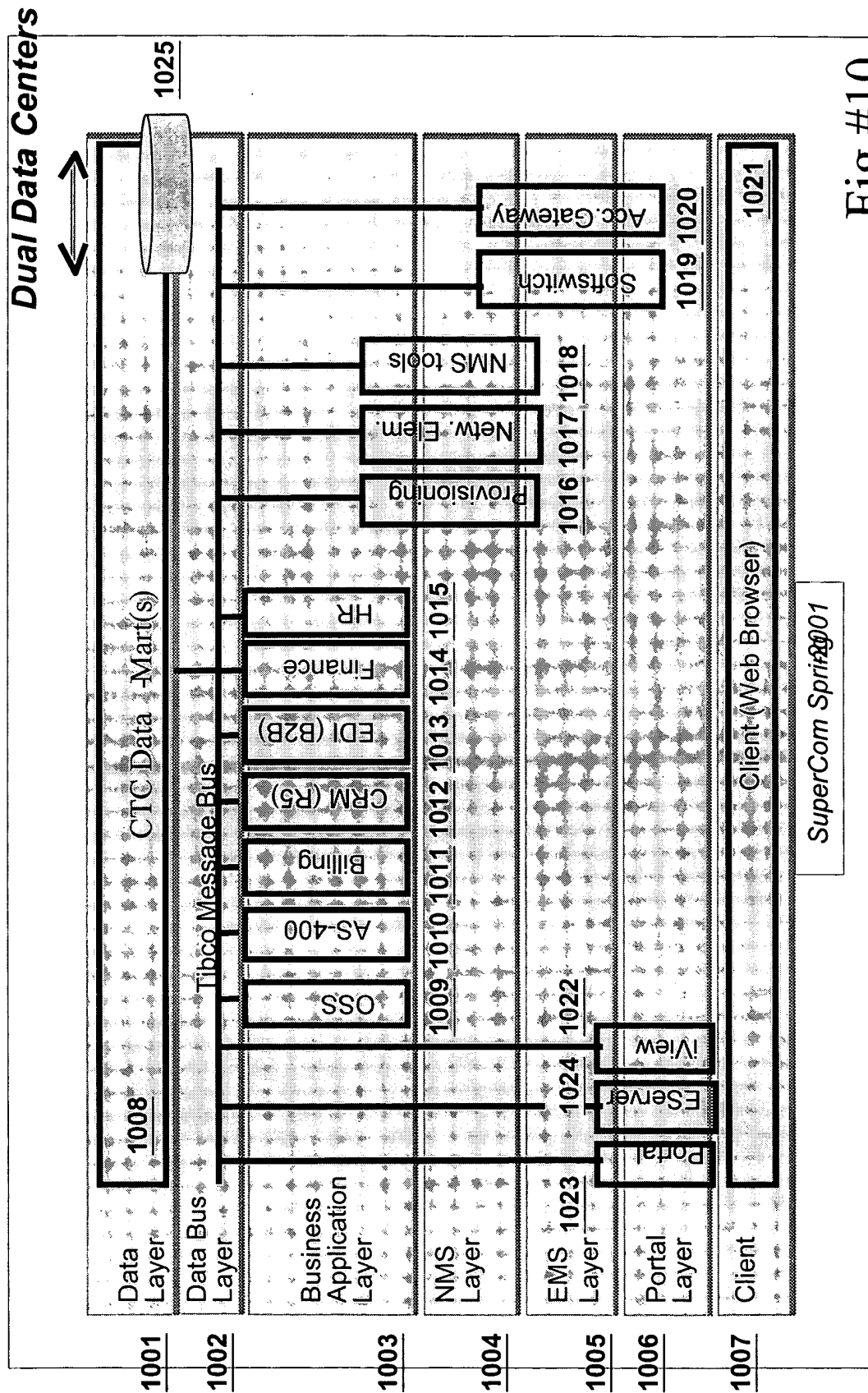


Fig #10